

Mission: Provide unique infrastructure, engineering expertise and life-cycle services to solve Chemical and Biological



TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

A Systems Engineering Approach to Life Cycle Acquisition



Pull Technology
forward to
Development



Partnerships
& Networks



Provide
Acquisition
"Experts" to JPMs



Full Service
CB Testing



Life Cycle
Engineering

Systems Engineering

Design

Build

Test

Support

Product Integration

Product Assessment

Acquisition Logistics

Product Engineering



Engineering Requirements



Systems Engineering is an interdisciplinary approach encompassing the entire technical effort to evolve and verify an integrated and total Lifecycle balanced set of system, people, and process solutions that satisfy customer needs. Systems engineering is the integrating mechanism across the technical efforts related to the Product Integration is an interdisciplinary approach encompassing the entire development, manufacturing, verification, deployment, operations, sustainment, technical effort to support the design and build aspects of materiel acquisition. This disposal of, and user training for systems and their life cycle processes.

discipline involves: Using computer aided engineering tools to design or improve designs and to maximize efficiency and accuracy of designs; Using various methods and tools to produce rapid prototypes of designs that meet the specific needs of the Product Assessment is an interdisciplinary approach encompassing the entire technical effort to support the engineering test and assessment related to materiel acquisition. This testing includes: Environmental, field, protection fit, and surety testing. The environmental testing covers all tests required by MIL-STD-810 as well

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Engineering Requirements



Acquisition Logistics is an interdisciplinary approach encompassing the entire

technical effort to develop test and field a support system that will ensure the weapon system will meet its readiness objectives when fielded to the warfighter. The logistics program is conducted in accordance with AR700-127 and addresses the following elements of the acquisition process: Maintenance Plan, Manpower and

Personnel, Supply Support, Support Equipment, Technical Data, Training, Computer Product Engineering is an interdisciplinary approach encompassing the entire

Support, Support Facilities, Packaging Handling Storage & Transportation, and technical effort to develop, evolve, maintain and verify Product Data. Product data is

logistics influence on System Design

defined as: All data created as a consequence of defining (requirements), designing,

testing, producing, packaging, storing, distributing, operating, maintaining,

modifying and disposing of a product. The traditional components of Product Data

are; technical drawings, parts list, standards and specifications, packaging and other

technical instructions, and data.

RDECOM Engineering Types of Requirements



The types of support that Engineering Directorate may requiring both off-site and on-site support for Engineering, JPEO/JPM, and customer programs representative of the following:

Systems Engineering Support

Advanced Design, Prototyping, Manufacturing for Engineering,

Production and Quality Engineering Support